		_/* \		1. CONTRA DO	DE I	PAGE OF PAGES	
AMEN	DMENT OF SOLICITATION/M	ODIFICATION OF CON	TRACT	1. COMMON DOO		1 7	
2. AMENE	DMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION	ON/PURCHASE REQ. N	O. 5. PRO applicai	JECT NO. (If ble)	
	479	See Block 16C			3,000.00		
6. ISSUE	6. ISSUED BY CODE OPOS 7. ADMINISTERED BY (If other than Item 6) CODE						
Johr	n F. Kennedy Space Center, N		1				
	curement Office		1				
	nedy Space Center, FL 32899)					
	• ,						
8. NAME	AND ADDRESS OF CONTRACTOR (No., s	street, county, State, and Zip Code)	9A. AMENDMENT OF	SOLICITATION N	0.	
_			•		14.44		
	ce Gateway Support, LLC	Origina	al .	9B. DATED (SEE ITE	M 11)		
	O N Atlantic Ave, Suite 330	- MYIMII I	ai	AND MODIFICATION OF CONTRACTIONDED NO			
Coc	oa Beach, FL 32931	Ong		10A. MODIFICATION OF CONTRACT/ORDER NO.			
		—		NAS10-9900			
0005		ITV OODS		10B. DATED (SEE IT	•		
CODE		ITY CODE		August 21, 1			
	11. THIS ITE	M ONLY APPLIES TO A	MENDMEN.	IS OF SOLICITA	TIONS		
	above numbered solicitation is amended as					not extended.	
	at acknowledge receipt of this amendment properties the pleting Items 8 and 15, and returning	prior to the hour and date specified copies of the amendment; (b) By a					
By separat	te letter or telegram which includes a refere	nce to the solicitation and amendm	ent numbers. FAI	LURE OF YOUR ACKNO	OWLEDGEMENT 1	O BE RECEIVED AT	
of this ame	E DESIGNATED FOR THE RECEIPT OF (andment you desire to change an offer alrea	OFFERS PRIOR TO THE HOUR A	ND DATE SPECI	FIED MAY RESULT IN R	EJECTION OF YO	UR OFFER. If by virtue	
solicitation	and this amendment, and is received prior	to the opening hour and date spec		or rottor, profitted edul	. Longian of letter	mands reference to tile	
ACCOUN ¹	FING AND APPROPRIATION DATA (If requ			0.000			
		APPLIES ONLY TO MOI					
1.0	THIS CHANGE ORDER IS ISSUED PUR	HE CONTRACT/ORDER				CONTRACT OPDED	
	IO. IN ITEM 10A.	TOURIST TO: [Opening authority) T	orinitaea at	- I OKTO IN HENLIA A	WE MADE IN THE	OOMINACI ORDER	
E	3. THE ABOVE NUMBERED CONTRACT/ ppropriation date, etc.) SET FORTH IN ITE	ORDER IS MODIFIED TO REFLECT M 14, PURSUANT TO THE AUTH	ORITY OF FAR 4	FRATIVE CHANGES (sui 3.103(b).	ch as changes in p	aying office,	
/\ /	. THIS SUPPLEMENTAL AGREEMENT IS						
	FAR 52.243-2 Changes – Cos		1987) Alt II (<i>i</i>	APR 1984)	<u> </u>		
	O. OTHER (Specify type of modification and	*-				**********	
	RTANT: Contractor [] is not, [X] is						
14. DESC	RIPTION OF AMENDMENT/MODIFICATION	ON (Organized by UCF section hea	aings, including so	DIICITATION/CONTRACT SUBJEC	t matter where feas	iDie.)	
The pur	rpose of this no cost modificati	on is to undate Laborato	ries Workloa	d Indicators (M/LI	s) which inclu	des correction	
of error	s in WLIs to reflect values neg	otiated in modification 20)5 (adiusted	for subsequent m	odifications)	move all Wills	
from Te	echnical Exhibit (T.E.) 7.0-113	to Contract Attachment.	I-12 and dele	eting T.E. 7 0-113	. updating T F	E. 3.2.3 2-01 to	
incorpo	rate additional equipment supp	ported through contract of	changes and	changing the Sta	tement of Wo	rk to correctly	
incorporate additional equipment supported through contract changes and changing the Statement of Work to correctly reference changes.							
	-						
This ch	ange revises Attachment J-1,	Statement of Work WBS	3.2.3.2, Atta	chment J-12, Wo	rkload Indicat	ors, T.E.	
3.2.3.2-	 O1, Special Calibrations Supp 	ort - AF PMEL and NASA	A Standards	and Calibrations	and deletes T	.E. 7.0-113,	
Calibra	tion Laboratory Workload Data	as shown on the attach	ed pages. A	ll other terms and	conditions of	the contract	
	unchanged.						
In cons	ideration of the modification ag	reed to herein as compl	ete equitable	adjustment for th	e contractor's	s proposal for	
adjustment, the contractor hereby releases the government from any and all liability under this contract for further							
equitable adjustments attributable to such facts and circumstances giving rise to the proposal for adjustment.							
Except as	provided herein, all terms and conditions of	the document referenced in Item 9	a or 10A se here	Infore channed remains	unchanged and in	full force and effect	
15A. NAM	E AND TITLE OF SIGNER (Type or print)	are decement referenced in Item 8	16A. NAME	AND TITLE OF CONTR	ACTING OFFICER	(Type or print)	
	toria G. Lockard		Ernes	t G. Tweedie		• •	
	ector, Contracts			acting Officer			
15B. CON	TRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED S	TATES OF AMERICA		16C. DATE SIGNED	
VIAN	man M. Leakar	d 19 Nov 07	8-19	Take		2/NOV 01/	
(5	Signature of person authorized to sign)		(Sig	nature of Contracting Of	ficer)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	SN 7540-01-152-8070	30—105			DARD FORM 30 (Rev	10.83\	

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3.2.3.2 Standards and Calibration. The contractor shall provide calibration service for Standards and Test, Measurement and Diagnostic Equipment (TMDE), including related repairs, to NASA-KSC, PAFB, CCAFS, JDTMA, and Down Range to Ascension Island and Antiqua. NASA-KSC customers entitled to calibration service include NASA-KSC, CAPPS, SPOC, Allied Signal, and other NASA contractors with the appropriate calibration support clause in their contracts. Allied Signal is entitled to Standards Calibration only. AF customers entitled to support include the 45th Space Wing, 45th Space Wing contractors with the appropriate calibration support clauses in their contracts, JSTARS, and other government agencies with Host Tenant Agreements which specify calibration support. Services shall be provided in accordance with Technical Order 00-20-14 or ANSI/NCSL Z540. The requirements for all Standards and Calibration services are as listed in J-BOSC Section J-12 and Technical Exhibit 3.2.2.2-01. (Mod 348, 402, 451)

The contractor shall comply with following documents:

Document Number	Document Title		
45 SWI 21-101	Repair, Calibration, and Certification of Test, Measurement, and Diagnostic Equipment (Op 3A and 3B)		
ANSI/NCSL Z540-1-1994	Calibration Laboratories and Measuring & Test Equipment - General Requirements		
T.O. 33K-1-100	TMDE Interval, Calibration and Repair, T.O. Reference Guide and Work Unit Code Manual (Option 3A and 3B Requirement Only) (Mod 79)		

The contractor shall provide reference standards calibration and maintenance to NASA-KSC. Cleaning incidental to calibration shall be provided to NASA-KSC. Metrology engineering services shall be provided to NASA-KSC. Engineering services shall be provided to AF PMEL customer's Non-TMDE, assets as listed in **Section J-12**.

The contractor shall provide pick-up and delivery service for JSTARS equipment from/to Melbourne Airport. Repair of JSTARS equipment shall be performed up to \$100 without prior approval. JSTARS authorization shall be obtained for repairs expected to exceed \$100. The contractor shall maintain a repair authorization log to track JSTARS repair authorizations exceeding \$100. (Mod 451)

The contractor's primary tasks include the following:

- Provide laboratory and in-place calibrations for required technical disciplines and instruments. In-place calibration is provided only for items embedded in systems too large to move or whose accuracy would be affected by movement after calibration;
- Provide equipment repair as listed in Section J-12;
- Provide cleaning incidental to calibration for NASA and NASA contractors with the appropriate J-BOSC clause in their contracts;
- Maintain KSC reference standards and provide working standard measurement data traceable to National Institute of Standards and Technology (NIST) or intrinsic standards for KSC;

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- Serve as pivot laboratory for Measurement Assurance Programs (MAPs) and participate and support other MAPs as required;
- Prepare and maintain the Standards and Calibration Measurement Capabilities
 Report that defines the measurement parameters supported by the labs; the range,
 media, accuracy, and uncertainty; and the technique, system, and equipment
 associated with each parameter;
- Maintain existing and develop new laboratory procedures;
- Operate and maintain a Metrology Information System to recall and control standards and test equipment systems;
- Operate and maintain the Shared Resources Management System used to control automated calibration work stations; and
- Operate the Air Force provided data collection system in support of Air Force requirements to provide appropriate information to Air Force Metrology and Calibration (AFMETCAL)

The contractor shall provide 45th Space Wing launch contractors information regarding action taken and out-of-tolerance data for TMDE when requested by the user. The contractor shall notify the user when out-of-tolerance conditions are 200 percent or more. The contractor shall provide calibration data sheets or charts for TMDE as a result of an out-of-tolerance condition or on other TMDE as required by the user. The contractor shall prepare and implement a Quality Assurance Program (QAP) that ensures the quality of the calibrations performed on reference and working standards and on the test equipment in the inventory.

The contractor shall develop and maintain laboratory procedures including the following standard operating procedures: equipment receiving, storage, distribution, issue, accounting, and control; procedures governing the individual calibration and test processes; government access to facilities and equipment; equipment and systems maintenance; and property management and disposal.

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The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	Function	Workload Description or Document Title	Document Number (if Applicable)	Rev. Date
3.2.3.1	Laboratories (Nondestructive Evaluation)	 15 to 20% of all NDE tasks are performed in the laboratory. 80 to 85% of all NDE tasks are performed in the field. 2795 total NDE work orders including (KSC/45 SW): (Mod 261) (Mod 328) (Mod 444) Other NASA centers/government agencies on-site NDE work orders - 5 projects (not exceeding 40 hours per project). 	MOD 250 Mod 479	
3.2.3.2	Laboratories (Standards and Calibrations)	NASA M & TE Calibrations per year - 12,805 Repairs 600 In Place Calibrations (see note 1) 85 Cleaning Incidental to Calibration 1250 Pivot Laboratory Tasks 4 NASA Reference and Working Standards - 1100	Mod 479	
3.2.3.2	Laboratories (Standards and Calibrations)	Air Force M & TE Calibrations per year - 16,627 Repairs 507 In Place Calibrations (see note 1) 800 Down Range Calibrations per year JDMTA 274 Ascension/Antigua 1400 Support to Items Not Entitled to PMEL Service per T.O. 00-20-14 or T.O. 33K-1-100-2 (see note 2) 1500	Mod 479	
3.2.3.2	Laboratories (Standards and Calibrations)	NOTES: 1. Provided for items imbedded in systems, too large to move, or whose accuracy would be affected by movement after calibration.	Mod 479	

The contractor shall provide a written statement certifying the accuracy of the workload data on an annual basis as of 30 September of each fiscal year. The first statement shall be no later than 30 September 2003.

WBS	WBS Function Workload Description or Document Tit		Document Number (if Applicable)	Rev. Date
		2. Includes instruments defined by the referenced documents as "USER", "NCR", or "Non TMDE".		
3.2.3.3	Laboratories (Sampling and Analysis)	Approximately 13,189 sampling work orders, including: (Mod 444) • 60% hazardous commodity sampling • 40% operational commodity sampling 4,500 analysis work orders for KSC, including: (Mod 250) • 425 TCLP analyses • 375 environmental and waste analyses • 750 permeability & compatibility studies	MOD 250 Mod 479	
3.2.3.4	Laboratories (Component Cleaning and Refurbishment)	2,956 work orders (Cleaning/Decontamination Requests) 50 to 75 Type 3 work orders (Ref. KSC Form 3-341B for CDR) (Mod 250) (Mod 444)	MOD 250 Mod 479	

Technical Exhibit # J5-3.2.3.2-01 (CCR 08-02, Mod 479)

Technical Exhibit # J5-3.2.3.2-01 Special Calibrations Support AF PMEL and NASA Standards and Calibrations

3.2.3.2 Standards and Calibration

Equipment Type	CCR	NASA	Air Force
Thread Ring Gauges (note 3)	06-30, 07-62	13	0
CAPPs Crane Scales	04-36, 07-52	7	0
Platinum Resistance Thermometer	06-30	1	0
Helium Leak Detectors	06-30	2	0
4 channel VXI D/A Converter	06-30	1	0
Hydrazine Gas Detector	06-42	3	0
Gas Detector (N204 Calibrated)	06-42	3	0

Notes:

- 1 The purpose of this Technical Exhibit is to identify additional equipment which is beyond the in house capability of the Contractor and has been added through contract changes. These quantities represent the actual number of units and **DO NOT** equate directly to workload indicators which are specified in number of calibration/maintenance actions.
- 2 Quantities indicate the number of each equipment type supported. All equipment will be serviced at regular intervals in accordance with established NASA/USAF calibration interval authorities as appropriate.
- 3 Thread Ring Gauge calibrations shall be limited to three (3) for FY07

JBOSC Technical Exhibit 7.0 – 113 Calibration Laboratory Workload Data DELETED MOD 479

	NASA	Air Force
Instruments in Recall	15,000	29,000
M & TE Calibration per year including:	10,000 – 15,200	27,000 – 33,000
Repairs	1,200 – 1,300	1,597 (see note 1)
 In Place Calibrations 	80 – 90 (see note 2)	1,548 (see note 2)
 Cleaning Incidental to Calibration 	2,500 – 2,600	N/A
Return to Factory for Service	354	N/A
Down Range Calibrations per year	-	***
 JDMTA 	N/A	274
Ascension/Antigua	N/A	916
Support to Items Not Entitled to PMEL Service per T.O. 00-20-14 or T.O. 33K-1-100-2	N/A	2,178 (see note 3)
Pivot Laboratory Tasks	3 to 5	N/A

Notes:

- Repairs will be performed by the PMEL provided: the repair is within the current capability of the PMEL and/or time spent attempting/performing the repair will not exceed routine calibration time.
 J-STARS repairs are limited to \$100; owning workcenter's authorization required for repairs exceeding \$100. PMEL to track and provide repair costs to customer when requested. (Mod 451)
- Provided for items imbedded in systems, to large to move, or whose accuracy would be affected by movement after calibration.
- 3. Includes instruments defined by the referenced documents as "USER", "NCR", or "Non TMDE".
- 4. Workload indicators are not absolute, generally allowing a +/- 10% rate of fluctuation.